

# SELF-LEVELER 4000



**SELF-LEVELER 4000** is a single-component, self-leveling, floor resurfacer and underlayment which can be poured or pumped over concrete, terrazzo, ceramic tile, and wood flooring from a feather-edge up to 2" in a single pour. Areas to be resurfaced must be primed with Bond All Exterior.

- Completely self leveling
- Interior or exterior use
- Just add water
- Polymer modified
- May be poured or pumped
- Can be applied up to 2" in a single pour
- High compressive and flexural strengths
- Water resistant
- Provides dramatic savings in time and labor over conventional underlayments
- An excellent underlayment for tile, vinyl, carpet, etc.

Resurfacing Mortar	Pour or pump from feather-edge up to 2"
Packaging	50 lb bag (49 /pallet)
Coverage per 50 lb bag	1/8" = 55 ft <sup>2</sup> 1/4" = 27 ft <sup>2</sup>
Application Temperature	Ambient & surface temperature must be 40°F or above and will not fall below that for 48 hours
Mixing per 50 lb bag	5 to 5-1/2 quarts of water
Working Time	15 minutes at 70°F
Set Time	4-8 hours at 70°F
Color	Gray



Phone: 800-442-5535  
 Fax: 978-453-2416  
[www.umaco.com](http://www.umaco.com)

**SELF-LEVELER 4000** is a single-component, self-leveling, floor resurfacer which can be poured or pumped over concrete, terrazzo, ceramic tile, and wood flooring. Self-Leveler 4000 may be applied from a feather-edge up to 2" in a single pour.

### **USES and ADVANTAGES**

- Can be used to resurface concrete, terrazzo, ceramic tile, stone and exterior-grade plywood
- An excellent underlayment for carpeting, vinyl and asphalt floors, ceramic tile, quarry tile and wood flooring
- Completely self-leveling
- Interior or exterior use
- Ready to use, just add water
- May be poured or pumped
- Can be applied from a feather-edge up to 2" in a single pour
- High compressive and flexural strengths
- Water resistant
- Provides dramatic savings in time and labor over conventional underlayments

### **SURFACE PREPARATION**

Surfaces to be coated must be sound and clean. Remove all dirt, dust, spalling or loose concrete, oil, grease, wax, mildew, efflorescence, curing compounds, form release agents, paint or any other foreign material which might effect the bond. Mechanical abrasion may be required for concrete floors which have been sealed or previously coated with mastics or adhesives, or for non-absorbent surfaces such as terrazzo and ceramic tile. Deep holes or depressions must be filled to existing floor level with a suitable polymer-modified patching material such as Umaco Flash-Patch or equivalent. All existing expansion and control joints in the concrete must be extended through the underlayment. All perimeter openings must be sealed to prevent leakage making sure Self-Leveler 4000 will be retained to a height equal to or greater than the finished floor elevation. Dampen area

being careful not to allow any standing water to remain. **Prime the entire area with Umaco Bond All Exterior. Apply a second coat of Bond All Exterior to absorbent or porous concrete.**

### **Wood Floors**

All wood flooring should be of a design and thickness so as to maintain a substrate of deflection not to exceed 1/360 of the span including live and dead load. Plywood must be CDX grade otherwise delamination may occur. Wood floors must be clean, dust free, rigid and securely fastened. Fill all the seams and other imperfections with Umaco Flash-Patch or equivalent in order to prevent Self-Lever 4000 from pouring through. Corrosion resistant expanded metal lath must be securely fastened to the entire area.

**Prime the entire area with Bond All Exterior. A second coat of Bond All Exterior must then be applied to all wood floors.**

**Always perform a spot test prior to application in order to ensure compatibility between Self-Leveler 4000 and the substrate as well as to confirm that the appearance and performance are acceptable. Use the same tools and procedure as will be used in the actual application. Install a minimum of 50 square feet in a high traffic area allowing to cure at least three days before inspecting.**

### **MIXING**

Add 50 pounds of Self-Leveler 4000 to approximately 5 to 5-1/2 quarts of water. **Do not reverse this process by adding water to the material.** Do not over water as this will cause separation, reduction of strength and shrinkage of the cured Self-Leveler 4000. When mixing small amounts, the use of a paddle mixer with a high torque, low speed (400-600 RPM) hand drill is recommended. For large jobs, an ordinary barrel mixer connected to a pump and hose is recommended. Mix material for one to two minutes until the mixture is smooth and free of lumps. Do not mix more material that can be placed in 15 minutes. Ensure that

subsequent mixes are ready to enable continuous pouring until the entire area is surfaced. Self-Leveler 4000 can be applied from a feather-edge up to 2". For applications over 2" in thickness, mix Self-Leveler 4000 with equal parts of clean, washed silica sand, preferably 20-30 mesh. The addition of sand may affect the self-leveling properties making it necessary to apply a finish layer without the aggregate as a finish coat. Area must first be primed with Bond All Exterior if finished layer is to be applied.

### **APPLICATION**

The ambient and base slab temperatures must be over 40 degrees F and not fall below that within 24 hours. Material should be placed in one continuous pour, achieving required thickness in one application. Lay in parallel strips starting at one end of the room. Material should be laid down in a succession of 3" to 6" ribbons. Pour or pump mixed material adjacent to previously placed material. A spreader tool may be used to pull the material into place. Troweling is not recommended except to feather-edge. When pumping, a progressing cavity (rotor stator tube) grout pump is recommended.

### **CURING**

Self-Leveler 4000 is self curing under normal conditions. In conditions of extreme heat, dry or windy conditions, covering surface with damp burlap is recommended.

### **COVERAGE**

One 50 lb bag of Self-Leveler 4000 will cover approximately 55 square feet at 1/8" thickness.

### **PRECAUTIONS**

- Do not apply over unstructurally sound substrates
- Faults in the substrate can appear in the underlayment
- The ambient and base slab temperatures must be over 40°F and not fall below that within 24 hours

## **TEST DATA**

### **Compressive Strength (ASTM C-109)**

1 day.....	3,720 psi
3 days.....	4,140 psi
7 days.....	4,775 psi
28 days.....	7,015 psi

### **Flexural Strength (ASTM C-348)**

28 days.....	1050 psi
--------------	----------

### **Flowing Time:**

15 minutes

### **Working Time:**

30 minutes

### **Setting Time:**

Walk on material after 4-8 hours

## **WARNING!**

Do not take internally. If ingested, **do not** induce vomiting and get prompt medical attention. Contains Portland cement and Silica sand. May be irritating to the eyes and nose.

Prolonged inhalation may cause lung injury. Avoid eye contact or prolonged contact with skin. Wash hands thoroughly with water after handling.

In case of eye contact, flush with plenty of water for at least fifteen minutes.

If irritation persists, consult a physician immediately. Dust masks, eye protection and gloves are recommended when using this product. Read Safety Data Sheet (SDS) before using this product which may be obtained from your retailer or by calling 978-453-8881.

24 Hour Emergency Medical/Spill Information (Chemtrec): 800-424-9300

**KEEP OUT OF THE REACH OF CHILDREN!**

For technical assistance call  
978-453-8881

[www.umaco.com](http://www.umaco.com)

## **LIMITED WARRANTY**

*The manufacturer guarantees its products to be free of defects and the extent of its liability is limited to the purchase price of the materials only, if proved to be defective.*

*Improper mixing, incorrect application or other factors beyond the control of the manufacturer or its dealers may produce unsatisfactory results and cannot be held to be the manufacturers or its dealers responsibility. There are no other guarantees either expressed or implied.*



2018

**Umaco, Inc.**  
60 Rear Newhall Street  
Lowell, MA 01852



**Toll Free: 800-442-5535**  
**Phone: 978-453-8881**  
**Fax: 978-453-2416**